

Retrofit



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techgirls

Retrofit

Importando a biblioteca no projeto (arquivo build.gradle no diretório app)

```
implementation 'com.squareup.retrofit2:retrofit:2.3.0'  
implementation 'com.squareup.retrofit2:converter-gson:2.3.0'
```



Retrofit

Criando classe para instanciar o Retrofit e configurar

```
class RetrofitInitialize {  
  
    private val retrofit = Retrofit.Builder()  
        .baseUrl( baseUrl: "https://api.myjson.com/bins/" )  
        .addConverterFactory(GsonConverterFactory.create())  
        .build()  
  
    fun myService(): MyService = retrofit.create(MyService::class.java)  
}
```



Retrofit

Mapeamento das requisições

```
interface MyService {  
    @GET("value: "9cblp")  
    fun listarContatos(): Call<List<Contato>>  
}
```



Retrofit

Como
fazer a
requisição
dentro da
activity

```
private fun buscaListaContatos() {  
  
    val call = RetrofitInitialize().myService().listarContatos()  
    call.enqueue(object : Callback<List<Contato>?> {  
        override fun onResponse(  
            call: Call<List<Contato>?>?,  
            response: Response<List<Contato>?>?  
        ) {  
  
            response?.body()?.let { it: List<Contato>  
                var listaContatos : List<Contato> = it  
                exibirLista(listaContatos)  
            }  
            Log.i( tag: "techgirl", msg: "lista retornada com sucesso")  
        }  
  
        override fun onFailure(  
            call: Call<List<Contato>?>?,  
            t: Throwable?  
        ) {  
            Log.e( tag: "onFailure error", t?.message)  
        }  
    })  
}
```

Nossos mocks

- Lista de contatos: <https://api.myjson.com/bins/9cblp>
- Transferencia realizada:
<https://api.myjson.com/bins/yeo65>
- Transferencia com erro:
<https://api.myjson.com/bins/15jvfh>
- Login: <https://api.myjson.com/bins/1daial>



Buscando lista de contatos do celular

- <https://developer.android.com/guide/topics/providers/contacts-provider?hl=pt-br>
- <https://developer.android.com/training/contacts-provider/retrieve-names?hl=pt-br>



Referencias

- Guia do Desenvolvedor
<https://developer.android.com/guide?hl=pt-br>
- Fundamentos de aplicativos
<https://developer.android.com/guide/components/fundamentals?hl=pt-br>
- Editor de Wireframe <https://www.fluidui.com/editor/live/>
- <https://medium.com/collabcode/criando-lista-com-recyclerview-no-android-com-kotlin-85cb76f3775d>
- <https://medium.com/android-dev-br/listas-com-recyclerview-d3f41e0d653c>

